

៤- ដេរីវេ Arccotan :

$$y = \text{Arccotan}(x) \Rightarrow x = \text{cotan}(y) \quad y \in ]0; \pi [$$

$$y' = \frac{1}{-(1+\text{cotan}^2 y)} \quad (\text{ដោយ (F-VII-09)})$$

ដោយ  $x$  ជាអថេរ របស់  $y$  ដូចនេះត្រូវ ជំនួស  $y$  ក្នុង  $\frac{-1}{1+\text{cotan}^2 y}$  ដោយ  $x$

$$\text{ដោយយើងប្រើ } x = \text{cotan}(y) \Rightarrow \frac{1}{1+\text{cotan}^2 y} = \frac{1}{1+x^2}$$

ដោយសង្ខេប

$y = \text{Arccotan}(x) \Rightarrow y' = \frac{-1}{1+x^2}$
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(F-VII-13)